

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> NBU 921-29C4CS	
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES	
<b>4. TYPE OF WELL</b> Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES	
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. OPERATOR PHONE</b> 720 929-6100	
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217		<b>9. OPERATOR E-MAIL</b> Andy.Lytle@anadarko.com	
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU 0581	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>	
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>	
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>	<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	724 FNL 2523 FWL	NENW	29	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	1062 FNL 2136 FWL	NENW	29	9.0 S	21.0 E	S
At Total Depth	1062 FNL 2136 FWL	NENW	29	9.0 S	21.0 E	S

<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1062		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 2400	
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1306		<b>26. PROPOSED DEPTH</b> MD: 11263 TVD: 11221	
<b>27. ELEVATION - GROUND LEVEL</b> 4887		<b>28. BOND NUMBER</b> WYB000291		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8496	


**Hole, Casing, and Cement Information**

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2820	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 11263	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	350	3.38	12.0
							50/50 Poz	1610	1.31	14.3

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Joel Malefyt	<b>TITLE</b> Regulatory Analyst	<b>PHONE</b> 720 929-6828
<b>SIGNATURE</b>	<b>DATE</b> 11/14/2014	<b>EMAIL</b> joel.malefyt@anadarko.com
<b>API NUMBER ASSIGNED</b> 43047549330000	<b>APPROVAL</b>  Permit Manager	

**WELL LOCATION:  
NBU 921-29C4CS**

ELEV. UNGRADED GROUND = 4891.9'

Found 2006 Aluminum Cap in Pile of Stones.  
 N0°07.5'W 40.060' (G.L.O.)  
 2644.06' (Measured)

Found 2006 Aluminum Cap in Pile of Stones.  
 S89°55'12"W - 2636.26' (Meas.)  
 N00°14'35"W - 2653.89' (Meas.)  
 N0°18.6'W 40.211' (G.L.O.)

Found 2006 Aluminum Cap with single stone.  
 N0°10.6'W - 40.096' (G.L.O.)  
 N00°05'50"W - 2646.33' (Meas.)

Found 2006 Aluminum Cap, Pile of Stones.  
 N00°06'46"E - 2640.50' (Meas.)  
 N0°02.8'E 40.006' (G.L.O.)

Found 2006 Aluminum Cap in Pile of Stones.  
 N89°59'04"W - 2641.52' (Meas.)  
 S89°56.5'W - 40.021' (G.L.O.)

Found 2006 Aluminum Cap in Pile of Stones..  
 N89°55'16"W - 2634.89' (Meas.)  
 N89°59.4'W - 39.922' (G.L.O.)

2523'  
 2136'

1062'  
 724'  
 Bottom of Hole  
 Well Surface Position

NBU 921-29C4CS (Surface Position)
NAD 83 LATITUDE = 40.012265° (40° 00' 44.154"N)
LONGITUDE = 109.575980° (109° 34' 33.529"W)
NAD 27 LATITUDE = 40.012300° (40° 00' 44.281"N)
LONGITUDE = 109.575291° (109° 34' 31.046"W)

NBU 921-29C4CS (Bottom Hole)
NAD 83 LATITUDE = 40.011338° (40° 00' 40.816"N)
LONGITUDE = 109.577358° (109° 34' 38.489"W)
NAD 27 LATITUDE = 40.011373° (40° 00' 40.943"N)
LONGITUDE = 109.576669° (109° 34' 36.007"W)

Found 2006 Aluminum Cap in Pile of Stones.

**29**

1. Well footages are measured at right angles to the Section Lines. G.L.O. distances are shown in feet or chains.
2. 1 chain = 66 feet.
3. The Bottom of hole bears S48°53'26"W 512.98' from the Surface Position.
4. NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
5. Bearings and Distances are based upon a Local Cartesian Grid, oriented to Geodetic North at the North 1/4 Corner of Section 8, T10S, R22E, S.L.B.&M. The Grid having a mean project height of 5300'. Lineal units used are U.S. Survey Foot.
6. Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**1062' FNL, 2136' FWL (Bottom Hole)**  
**NE  $\frac{1}{4}$  NW  $\frac{1}{4}$  OF SECTION 29, T9S, R21E,**  
**S.L.B.&M., UINTAH COUNTY, UTAH.**



A horizontal graphic scale bar used for measurement. It consists of two rows of rectangular segments. The top row has four segments: three black and one white. The bottom row has five segments: two black, two white, and one black. Vertical tick marks align the boundaries between segments in both rows. Above the bar, labels indicate distances: "1000'" at the far left, "500'" at the first boundary after the left end, "0'" at the third boundary (the center), and "1000'" at the far right. Below the bar, the word "SCALE" is centered.

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR  
 REGISTRATION No. 6028691  
 STATE OF UTAH

ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 3-27-14	SURVEYED BY: J.W.	SHEET NO:  <b>1</b>  1 OF 18
DATE DRAWN: 4-10-14	DRAWN BY: J.G.C.	
SCALE: 1" = 1000'	Date Last Revised:	